The Journal of Cell Biology

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April 12, 2004

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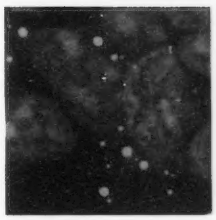

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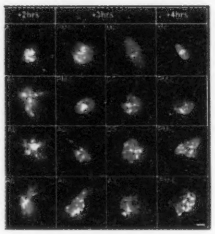

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- Get out! And don't come back!

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Arp2/3-nucleated actin (green) can elongate in the absence of Arp2/3 (red) into a comet tail that pushes a bacterium (blue). See page 233.

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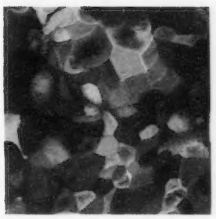

On the Cover

Cells expressing a dominant-negative myosin-1A (green) lose apical localization of the raft protein sucrase-isomaltase (red) but not another apical raft marker (blue). Thus myosin-1A may act as an anchor for this raft protein in epithelial brush borders. See page 395.

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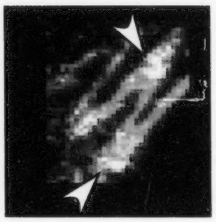

An integrin and c-Src interact (green) where actin cables (red) meet vinculin (blue) at an adhesion zone. See page 305.

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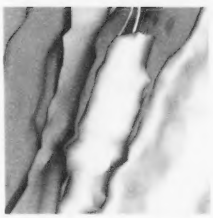

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A false-color three-dimensional reconstruction of a fibripositor (finger-like projection), from which a collagen fibril (shown in white) is exiting the cell (shown in purple). See page 553.

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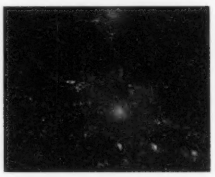
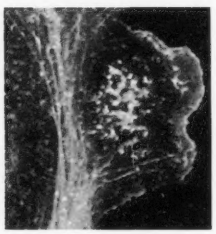


ColQ (green) binds to MuSK (red) at the neuromuscular junction, to which they recruit AChE. See page 505.



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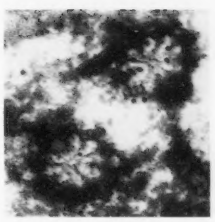

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Bld10p (gold particles) localizes to the cartwheel structure of the *Chlamydomonas* basal body, which also functions as a centriole. See page 663.

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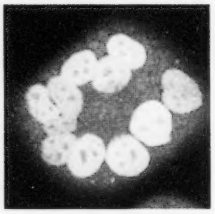
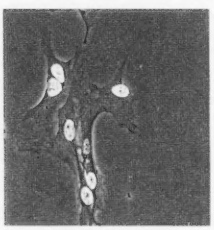


After stress such as the UV irradiation of one nucleus, importin α (white) accumulates in all nuclei of a heterokaryon and nuclear import is blocked. See page 617.



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- **Tumors make do with less matrix**

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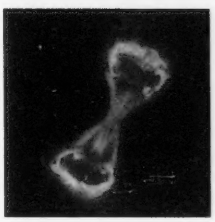

On the Cover

Cells lacking annexin 11 do not form a proper midbody; their microtubules (red) continue to bridge the two DNA masses (blue) even as lamins (green) reform the nuclear envelope. Eventually the failure in division leads to cell death. See page 813.

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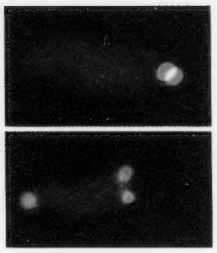

Telomeres (green) do not cluster at the spindle pole body (red) during meiosis in fission yeast lacking the heterochromatin protein Rik1. See page 759.

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